| Ref<br># | Hits   | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|--------|--|---|---------------------|---------|------------------|
| S1       | 560    | 703/?.ccls. and interfer\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/23 10:26 |
| S2       | 322262 | S1 ans (chemical same detect\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/22 14:54 |
| S3       | 13     | S1 and (chemical same detect\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON .    | 2007/01/22 15:00 |
| S4       | 6      | (("5982486") or ("5241179") or<br>("5899984") or ("6266428") or<br>("5631469") or ("5305076")).PN. | USPAT;<br>USOCR   | OR                  | OFF     | 2007/01/22 15:05 |
| S5       | 197142 | chemical with agent  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/22 15:15 |
| S6       | 2862   | interferogram  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/22 15:15 |
| S7       | 75     | S5 and S6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/22 15:16 |
| S8       | 426493 | S7 simulat\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/22 15:16 |

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|-----|------|--|---|----|----|------------------|
| S9  | 16   | S7 and simulat\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/22 15:16 |
| S10 | 9    | ("4128337"   "5305076"  <br>"5751418"   "5790250").PN. OR<br>("5982486").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/01/22 15:27 |
| S11 | 3219 | (calculat\$3 or synthes\$5) same<br>((stimulant or interferent or toxic or<br>non\$toxic) with (chemical\$2 or<br>agent\$2)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/23 10:28 |
| S12 | 635  | signature with synth\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/23 10:29 |
| S13 | 4    | S11 and S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/23 10:30 |
| S14 | 276  | S11 and simulat\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/23 10:40 |
| S15 | 3    | S14 and ancillary  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/23 10:40 |
| S16 | 1354 | interfer\$6 with signature   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/23 10:33 |
| S17 | 2    | S11 and S16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/23 10:33 |

| S18 | 33   | S16 and ancillary  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/01/23 10:40 |  |
|-----|------|--|---|-----|----|------------------|--|
| S19 | . 11 | S18 and simulat\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/01/23 10:40 |  |
| S20 | 2    | (back\$ground and black\$body) with interferogram  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | .OR | ON | 2007/01/23 11:32 |  |
| S21 | 25   | (back\$ground and black\$body)<br>same interfer\$7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/01/23 11:33 |  |
| S22 | 19   | S21 and spectrum   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/01/23 11:33 |  |
| S23 | 5    | S22 and (cloud and atmospher\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/01/23 11:33 |  |
| S24 | 10   | ("3803609"   "4496839"  <br>"4725733"   "5568186"  <br>"5583972").PN. OR ("6266428").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR  | ON | 2007/01/23 12:05 |  |
| S25 | 1    | (CADSE and matlab and MODTRAN) with simulat\$4   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR  | ON | 2007/01/23 12:06 |  |
| S26 | 1    | ( matlab and MODTRAN) with simulat\$4  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR  | ON | 2007/01/23 12:06 |  |
| S27 | 1    | ( matlab with MODTRAN) with simulat\$4   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR  | ON | 2007/01/23 12:07 |  |

|                  |      | <u> </u>  |                              |      | 1   | <del></del>      |
|------------------|------|---|------------------------------|------|-----|------------------|
| S28-             | 2    | CADSE with simulat\$5   | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON  | 2007/01/23 12:07 |
| S29              | . 1  | MODTRAN and matlab  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON  | 2007/01/23 12:07 |
| S30              | 5    | (symosek).inv.  | USPAT                        | OR   | OFF | 2007/01/23 16:39 |
| S31              | 1155 | (busch).inv.  | USPAT                        | OR   | OFF | 2007/01/23 16:39 |
| S32              | 182  | S31 and chemical  | USPAT                        | OR   | OFF | 2007/01/23 16:39 |
| S33              | 6    | S31 and (chemical with detect\$3)   | USPAT                        | OR   | OFF | 2007/01/23 17:00 |
| S34              | 15   | "6580969"   | USPAT                        | OR   | OFF | 2007/01/23 17:01 |
| S35              | 1    | ("6580969").PN.   | USPAT;<br>USOCR              | OR   | OFF | 2007/01/23 17:35 |
| S36              | 2    | (("5315513") or ("5884226")).PN.  | USPAT;<br>USOCR              | OR   | OFF | 2007/01/23 18:49 |
| S37              | 5    | (("5,315,513") or ("5,075,856") or ("4,611,929") or ("4,661,907") or ("4,521,861")).PN. | USPAT;<br>USOCR              | OR   | OFF | 2007/01/23 17:45 |
| S38 <sub>,</sub> | 3    | 702/?.ccls. and (chemical with agent)   | USPAT                        | OR   | OFF | 2007/01/23 18:52 |
| S39              | 46   | 702/?.ccls. and (chemical same detect\$3)   | USPAT                        | OR   | OFF | 2007/01/23 18:50 |
| S40              | 6    | S39 and simulat\$5  | USPAT                        | OR   | OFF | 2007/01/23 18:51 |
| S41              | 8    | 702/?.ccls. and MODTRAN   | USPAT                        | OR - | OFF | 2007/01/23 18:52 |

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